HISTORICAL AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

HAER PA, 41-WILPO,

Memorial Avenue Bridge Legislative Route 20, Spur A, Section 001 Spanning Lycoming Creek City of Williamsport Lycoming County Pennsylvania HAER No. PA-102

3 -

Photographer: Laurence Mohar

September 9, 1986

- 1. BRIDGE ELEVATION, LOOKING NORTHEAST
- 2. BRIDGE ELEVATION, LOOKING SOUTHEAST
- WEST PORTAL, LOOKING EAST
- 4. EAST PORTAL, LOOKING WEST
- 5. EAST PORTAL, SHOWING DOUBLE-LATTICED STRUTS WITH BAR DIAGONALS, LOOKING WEST
- 6. TOP PORTAL STRUT, ENO POST CONNECTION, SHOWING BENT PLATE, EAST PORTAL, LOOKING WEST
- 7. SWAY BRACING AT U3, LOOKING WEST
- 8. MODIFIEO SWAY BRACING AT PIER (INSTALLED IN 1925), LOOKING WEST
- 9. RECONSTRUCTED PANELS OVER PIER, L7, L8, AND L9, DOWNSTREAM TRUSS, LOOKING NORTH
- 10. RECONSTRUCTED PANELS AT PIER, L7, L8, AND L9, UPSTREAM TRUSS, LOOKING NORTHWEST
- 11. M6-U7 MODIFICATION, UPSTREAM TRUSS, LOOKING WEST
- 12. PIN CONNECTION, U5, TOP CHORD, UPSTREAM TRUSS, LOOKING NORTH
- 13. L15-M14: UPSTREAM TRUSS, LEFT (WITH ORIGINAL SUB-STRUT); DOWNSTREAM TRUSS, RIGHT (WITH REPAIR SUB-STRUT), LOOKING EAST
- 14. SUB-STRUT CONNECTION (MID PANEL), M12 (STRENGTHENED DIAGONAL, UPPER RIGHT), UPSTREAM TRUSS, LOOKING NORTH
- 15. SUB-STRUT CONNECTION M14, WITH STRENGTHENED SUB-OIAGONAL WELDED AT TOP, UPSTREAM TRUSS, LOOKING WEST
- 16. TOP LATERAL BRACING, U5, LOOKING UP

- 17. FLOORBEAM HANGER AT SUB-PANEL L12, OOWNSTREAM TRUSS, LOOKING WEST
- 18. FLOORBEAM HANGER AT PIN LII, OOWNSTREAM TRUSS, LOOKING WEST
- 19. BRIDGE UNDERSIDE SHOWING FLOORBEAMS, STRINGERS, SIDEWALK, AND LOWER LATERALS, LOOKING EAST TOWARD PIER
- 20. SIDEWALK BRACKET AND HANGER, L14, UPSTREAM TRUSS, LOOKING EAST
- 21. SIDEWALK BRACKET AND HANGER, L13, WITH TRUSS PIN CONNECTION, UPSTREAM TRUSS, LOOKING EAST
- 22. EXPANSION BEARING, EAST ABUTMENT, DOWNSTREAM TRUSS, LOOKING EAST
- 23. FIXEO BEARING, WEST ABUTMENT, DOWNSTREAM TRUSS, LOOKING WEST
- 24. CENTER PIER, ROUNOEO DOWNSTREAM SIOE, LOOKING NORTHEAST. NOTE MODIFICATION -- PINNED- END VERTICAL POST (NOT CONNECTED TO LOWER CHORO)
- 25. EAST ABUTMENT, SHOWING STONE MASONRY WING WALL, LOOKING NORTHEAST
- 26. WEST ABUTMENT, SHOWING CONCRETE JACKET WITH STONE MASONRY WALL, LDOKING NORTHWEST
- 27. SIOEWALK AND GRILLING WITH POST, UPSTREAM TRUSS, LOOKING NORTHWEST
- 28. TRAFFIC BARRIER WITH U-BOLT CONNECTION TO VERTICAL MEMBER, UPSTREAM TRUSS, LDOKING WEST
- 29. ERECTOR'S PLAQUE AND OATE PLATE, EAST PORTAL, LOOKING WEST
- 30. ERECTOR'S PLAQUE AND DATE PLATE, BACK, WEST PORTAL, LOOKING WEST
- 31. Photocopy of postcard titled "Newberry Bridge, Lycoming Creek, Williamsport, PA" (original in Postcard Collection of the Oivision of Archives and Manuscripts, Pennsylvania Historical and Museum Commission, MG-213, Box 24, Lycoming County), postmarked October 4, 1908
 - LOOKING NORTH (BEFORE CENTER PIER INSTALLATION)
- Photocopy of photograph (original in files of Grit, Williamsport, PA), published July 31, 1932.
 - REPAIR OF WOOD BLOCK FLOOR, LOOKING EAST
- 33. Photocopy of photograph (original in Pennsylvania History Collection of the James V. Brown Library of Williamsport and Lycoming County, PA, Photograph #10450, B508), 1934.

34. Photocopy of photograph (original in files of Grit, Williamsport, PA), published July 16, 1939

LOOKING NORTH

35. Photocopy of engineering drawing titled "Erie Avenue Bridge Over Lycoming Creek" (microfilm in files of District 3-0, Pennsylvania Department of Transportation, Montoursville), November 1918

PROPOSED WOOD BLOCK FLOOR

36. Photocopy of engineering drawing titled "Erie Avenue Bridge Over Lycoming Creek" (microfilm in files of District 3-0, Pennsylvania Department of Transportation, Montoursville), March 1925

DETAILS OF NEW SUPPORT PIER AND PROPOSED REPAIRS TO PRESENT TRUSSES

37. Photocopy of engineering drawing titled "Lycoming County, L.R. 20 Br. Spur Sta. 4+04" (microfilm in files of District 3-0, Pennsylvania Department of Transportation, Montoursville), September 16, 1971

TRUSS REPAIRS, GENERAL PLAN

38. Photocopy of engineering drawing titled "Lycoming County, L.R. 20 Spur Sta. 4+04" (microfilm in files of District 3-0, Pennsylvania Department of Transportation, Montoursville), May 8, 1972

INSTALLATION OF NEW BEARING PLATES & PEDESTALS AT ABUTMENTS

39. Photocopy of engineering drawing titled "In-Depth Bridge Inspection, Williamsport, Lycoming County, Memorial Avenue Bridge" (microfilm in files of District 3-0, Pennsylvania Department of Transportation, Montoursville), undated

TRUSS ELEVATION AND PLAN

40. Photocopy of engineering drawing titled "In-Depth Bridge Inspection, Williamsport, Lycoming County, Memorial Avenue Bridge" (microfilm in files of District 3-0, Pennsylvania Department of Transportation, Montoursville), undated

TYPICAL SECTION

41. Photocopy of engineering drawing titled "Existing Bridge, Two Span Continuous Through Truss" (original in files of District 3-0, Pennsylvania Department of Transportation, Montoursville), 1984

PLAN AND SOUTH ELEVATION

42. Photocopy of engineering drawing titled "Existing Bridge, Typical Cross Section" (original in files of District 3-0, Pennsylvania Department of Transportation, Montoursville), 1984

TYPICAL CROSS SECTION, LOOKING WEST